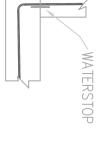
9 4 #4 0 B #4 0

LIQUID-TIGHT JOINT _YES C.J. = CONSTRUCTION JOINT 8

LIQUID-TIGHT JOINT OPTIONS

- 2 1 NON-METALIC WATERSTOP (PVC)
- HYDROPHILIC WATERSTOP





CONSTRUCTION JOINT OPTIONS

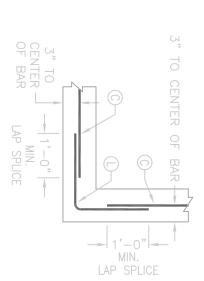
WALL CORNER DETAIL (PLAN VIEW)

Date

<u>06/23/0</u>5

- IF SLAB AND WALL ARE POURED
 SEPARATELY, THE SLAB SURFACE MUST
 BE THOROUGHLY CLEANED WITH WATER
 AND A WIRE BRUSH. THE SURFACE OF
 THE JOINT SHALL BE KEPT MOIST
 FOR AT LEAST 1 HOUR PRIOR TO PLACEMENT OF NEW CONCRETE.
- THE SLAB AND WALL MAY BE POURED AT THE SAME TIME ELIMINATING THE NEED FOR A CONSTRUCTION JOINT.

5



SLAB CORNER DETAILS RESTRAINING SLAB OPTIONS SEE

PA-023 PA-024

GENERAL DESIGN NOTES:

- DRAINAGE SHALL BE AWAY FROM THE WALL.
 THE MINIMUM WIDTH OF THE BACKFILL AGAINST THE WALL SHALL BE
 THE BACKFILL HEIGHT. EQUAL TO OR GREATER THAN
- MAXIMUM FOOTING CONTACT PRESSURE IS 340 psf/ft.

DESIGN STRENGTHS: $\frac{\text{DESIGN STRENGTHS:}}{\text{CONCRETE } f_{\text{C}} = 4,000 \text{ psi}} \quad \text{*STEEL } f_{\text{S}} = 20,000 \text{ psi}$

(GRADE

40)

WALL DESIGN LOADING: 313 STANDARD — LATERAL EARTH PRESSURE VALUES SEE SECTION IV OF THE FIELD OFFICE TECHNICAL GUIDE. *MANURE LOAD INSIDE = 65 psf/ft. *SOIL BACKFILL LOAD OUTSIDE = 75 psf/ft. *NO SURCHARGE LOAD *NO SURCHARGE LOAD *SOIL BACKFILL DENSITY = 110 pcf.

- · WATER TABLE MUST BE BELOW THE FOOTING ELEVATION

L RESTRAINT REQUIREMENTS: THICK SLAB, SAFETY FACTOR

AGAINST SLIDING 1.5 MIN.

	BACI (OU
1 FOOT	BACKFILL HEIGHT
0 FEET	(OUTSIDE LOAD)
2 FEET	SLAB LENGTH
NO SLAB	NO INSIDE LOAD
NO SLAB	SLAB LENGTH FULL INSIDE LOAD

THIS STANDARDIZED DESIGN MUST BE ADAPTED TO THE SPECIFIC SITE. IT WAS DEVELOPED IN COOPERATION WITH THE WISCONSIN DEPARTMENT OF AGRICULTURAL, TRADE AND CONSUMER PROTECTION. THE DESIGN FOLDER IS FILED AT THE NRCS STATE OFFICE, 8030 EXCELSIOR DRIVE, MADISON, WI. 53717—2906

2

BACKFILL TO THE TOP OF THE WALL IS RECOMMENDED FOR FROST PROTECTION.

NOTES:

DIMENSIONS ARE TO THE REINFORCING BAR SURFACE

UNLESS OTHERWISE NOTED.

MARK

SIZE

QUAN

TYPE

70

S

LENGTH LENGTH

SCHEDULE

STR

#4 BARS,

TOTAL LENGTH

ري ا س

TYPE 2 BAR

SUBSTITUTION OF GRADE 60 BARS IS PERMITTED.

MINIMUM SPLICE LENGTH FOR MARK B AND BARS IS 12"

STEEL QUANTITY DOES NOT INCLUDE SPLICE LENGTHS.

TOTAL LENGTH OF WALL

· CONCRETE SHALL MEET PA 313 OR 561 SPECIFICATION REQUIREMENTS.

STEEL #4 CONCRETE

(0.668 LBS./FT)

(0.0617 CU.YDS./LIN.FT.) ESTIMATED QUANTITIES

(ADAP TED FROM WI-511, APRIL 2005)

PA-017B.dwg

PA-017B



COUNTY, PENNSYLVANIA

1' HIGH, 6" L-WALL (W/O SURCHARGE)

TJA